

Application No. 09/966,900
Response to Office Action

Customer No. 01933

Listing of Claims:

1. (Currently Amended) A picked-up image managing device comprising:

picked-up image storing means for storing items of picked-up image data and items of image picking-up position data associated with the items of picked-up image data;

name storing means for storing items of position data and items of name data associated with the items of position data;

grouping means for classifying the items of picked-up image data stored in said picked-up image storing means into at least one group; and

~~group name determining means for determining a group name of the group~~ identifying means for identifying one of the items of position data stored in said name storing means based on at least one item of the items of image picking-up position data stored in said picked-up image storing means and associated association with the items of picked-up image data of the group; and

group name determining means for setting a group name of the group as the item of name data stored in said name storing means in association with the identified item of position data.

2. (Currently Amended) The device according to claim 1, further comprising:

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image picking-up means for picking-up ~~an image~~ images of an object and outputting the items of picked-up image data; and

5 image picking-up position acquiring means for acquiring image picking-up positions of the items of picked-up image data outputted from said image picking-up means and outputting the items of the image picking-up position data; ~~and~~

10 wherein said picked-up image storing means stores the items of picked-up image data ~~output~~ outputted from said image picking-up means and the items of image ~~picking-up~~ picking-up position data outputted from said image picking-up position acquiring means and associated with the items of picked-up image data.

3. (Currently Amended) The device according to claim 1, further comprising group name display controlling means for displaying the group name determined by said group name determining means on a display means.

4. (Currently Amended) The device according to claim 1, further comprising storage controlling means for storing the group name determined by said group name determining means in said picked-up image storing means, in ~~associated~~ association with the items of picked-up image data of the group.

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5. (Original) The device according to claim 4, wherein said storage controlling means comprises means for storing the group name in said picked-up image storing means as a folder name.

Claim 6 (Canceled).

7. (Currently Amended) The device according to claim 6, wherein said ~~name storing means comprises means for storing~~ items of position data stored in said name storing means comprise items of area data and the items of name data are associated with the items of area data, ~~and~~

~~said group name determining means identifies one of the items of name data stored in said name storing means, based on the items of image picking up position data stored in said picked up image storing means and associated with the items of picked up image data of the group, and on the items of area data stored in said name storing means, and determines the identified item as the group name of the group.~~

8. (Currently Amended) The device according to claim ~~6~~ 1, further comprising file name determining means for identifying one of the items of ~~name~~ position data stored in said name storing means ~~[[,]]~~ based on one of the item items of image picking-up position data stored in said picked-up image storing

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means ~~and associated~~ in association with one of the item items of
picked-up image data, and ~~on the items of position data stored in~~
~~said name storing means, and determines for setting a file name~~
~~of said one of the items of picked-up image data as the item of~~
10 name data stored in said name storing means in association
with the identified item as the file name of the picked-up image
data of position data.

9. (Currently Amended) The device according to claim 1,
wherein:

said picked-up image storing means stores ~~the~~ each said item
of image picking-up position data and the associated item of
5 picked-up image data which are associated in association with an
item of image picking-up date-and-time data; and
said ~~group name determining means determines the group name~~
~~of the group, at least one of the items of image picking-up~~
~~position data upon which the identification of said one of the~~
10 items of position data stored in the name storing means is based
on an item comprises one of the items of image picking-up
position data ~~stored and that is~~ associated with an item of
picked-up image data having ~~the~~ an oldest image picking-up
date-and-time value [[,]] of all the items of picked-up image
15 data of the group.

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10. (Currently Amended) The device according to claim 1,
wherein said ~~group name determining means determines the group~~
~~name of the group~~ at least one of the items of image picking-up
position data upon which the identification of said one of the
5 items of position data stored in the name storing means is based
on comprisees a plurality of the items of image picking-up
position data stored in said picked-up image storing means and
associated in association with the items of picked-up image data
of the group.

11. (Currently Amended) The device according to claim 10,
wherein said ~~group name determining means determines the group~~
~~name of the group~~ identifying means identifies the item of
position data stored in said name storing means based on average
5 image picking-up position data obtained by averaging the items of
image picking-up position data stored ~~and associated in~~
association with the items of picked-up image data of the group.

12. (Currently Amended) The device according to claim 1,
~~further comprising name storing means for storing wherein the~~
~~items of position data stored in said name storing means are~~
items of area data, and the items of name data are associated
5 with the items of area data; [[,]] and

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wherein said grouping means classifies into one said
group the items of picked-up image data stored in said picked-up
image storing means ~~and associated in association~~ with the items
of image picking-up position data included in an area identified
10 by one of the item items of area data stored in said name storing
means.

13. (Currently Amended) The device according to claim 12,
wherein said ~~group name determining means determines, as the~~
~~group name of the group, an item of the name data stored in said~~
~~name storing means and associated with the~~ identifying means
5 identifies said one item of area data ~~used for classifying made~~
~~by said grouping means~~ as said at least one item of position
data.

14. (Currently Amended) ~~The~~ A picked-up image managing
device ~~according to claim 1,~~ comprising:
picked-up image storing means for storing items of picked-up
image data and items of image picking-up position data associated
5 with the items of picked-up image data;
grouping means for classifying the items of picked-up image
data stored in said picked-up image storing means into at least
one group; and

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10 group name determining means for determining a group name of
the group based on at least one item of the items of image
picking-up position data stored in said picked-up image storing
means and associated with the items of picked-up image data of
the group;

15 wherein said grouping means classifies the items of
picked-up image data ~~stored in said picked up image storing~~
~~means~~, based on whether or not a distance between each pair of
items of image picking-up position data stored in said picked-up
image storing means is greater than a predetermined value.

15. (Currently Amended) The device according to claim 14,
further comprising distance setting means for setting the
predetermined value $[[,]]$ based on a distribution pattern of the
distance between each said pair of items of image picking-up
position data.

16. (Currently Amended) The device according to claim 1,
further comprising picked-up image selecting means for selecting
~~arbitral items~~ arbitrary ones of the items of picked-up image
data stored in said picked-up image storing means; ~~and~~

5 wherein said grouping means classifies the ~~arbitral~~
arbitrary items selected by said picked-up image selecting means
into the group.

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17. (Currently Amended) The device according to claim 16,
further comprising:

map storing means for storing a map; and

map display controlling means for displaying the map stored

5 in said map storing means on a display; ~~means, and~~

wherein said picked-up image selecting means comprises scope
specifying means for manually specifying a desired scope on the
~~displayed map displayed on the displaying means by said map~~
~~display controlling means; and~~

10 wherein said grouping means classifies into the group the
items of picked-up image data stored in said picked-up image data
storing means ~~and that are~~ associated with the items of image
picking-up position data included in the specified desired scope
~~specified by said scope specifying means.~~

18. (Currently Amended) The device according to claim 17,
further comprising symbol display controlling means for
displaying a symbol indicating an image picking-up position at ~~a~~
at least one place on the map identified by at least one of the
5 items of said image picking-up position data stored in said
picked-up image storing means.

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19. (Currently Amended) The device according to claim 1,
further comprising:

map storing means for storing a map;

map display controlling means for displaying the map stored
5 in said map storing means on a display means; and

symbol display controlling means for displaying a symbol at
~~a~~ at least one place on the map determined based on at least one
of the items of image picking-up position data stored in ~~said~~
~~picked-up image storing means and associated~~ association with the
10 items of picked-up image data of the group.

20. (Original) The device according to claim 19, wherein
said symbol display controlling means comprises means for
displaying on the map the group name determined by said group
name determining means together with the symbol.

21. (Currently Amended) The device according to claim 19,
wherein said ~~symbol display controlling means displays~~
~~symbols~~ at least one place comprises a plurality of places on the
map, and each of said places ~~being~~ is determined based on at
5 least one of the items of image picking-up position data stored
in ~~said picked-up image storing means and associated~~ association
with the items of picked-up image data of the group; and [[,]]

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which wherein the device further comprises:

symbol selecting means for selecting one of the symbols
10 displayed on the map; ~~by said symbol display controlling means,~~
and

second symbol display controlling means for displaying
symbols at places on the map identified by the items of image
picking-up position data stored in ~~said picked-up image storing~~
15 ~~means and associated~~ association with the items of picked-up
image data included in a group corresponding to the symbol
selected by said symbol selecting means.

22. (Currently Amended) The device according to claim 1,
further comprising:

map storing means for storing a map;

map display controlling means for displaying the map stored
5 in the map storing means on ~~displaying means~~ a display; and

symbol display controlling means for displaying symbols at
places on the map identified by the items of image picking-up
position data stored in ~~said picked-up image storing means and~~
~~associated~~ association with the items of picked-up image data of
10 the group.

23. (Original) The device according to claim 22, wherein
said symbol display controlling means comprises means for

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displaying on the map the group name determined by said group name determining means together with the symbols.

Claims 24-26 (Canceled).

27. (New) A method of managing picked-up images, comprising:

outputting an item of picked-up image data upon imaging an object;

5 acquiring an item of image picking-up position data of the output item of picked-up image data;

storing the output item of picked-up image data and the acquired item of image picking-up position data in association with each other in a storage section;

10 classifying a plurality of said items of picked-up image data stored in the storage section into at least one group; and

identifying, from a plurality of items of position data stored in association with items of name data, one of the items of position data based on at least one of the items of image picking-up position data stored in associated with the items of
15 picked-up image data of the group; and

setting a group name of the group as the item of name data stored in association with the identified item of position data.